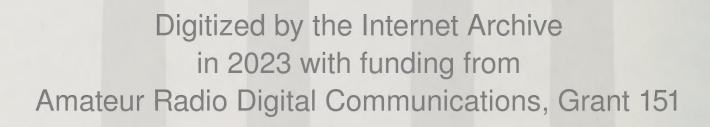
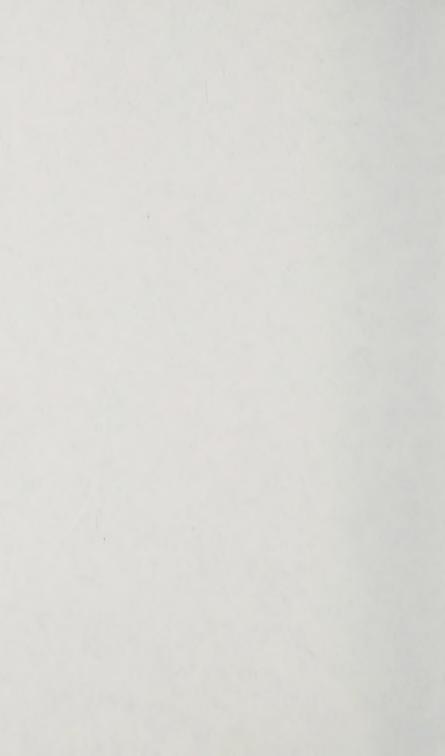
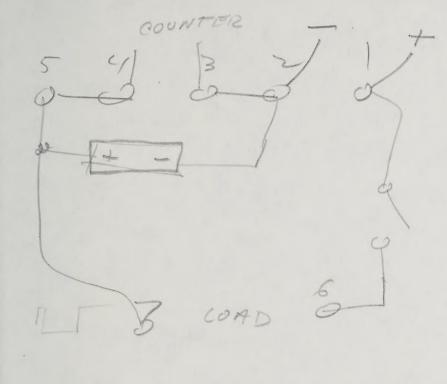


APDENDIX II FO ES-1884
APDENDIX II FO ES-1886
APDENDIX II FO ES-1886



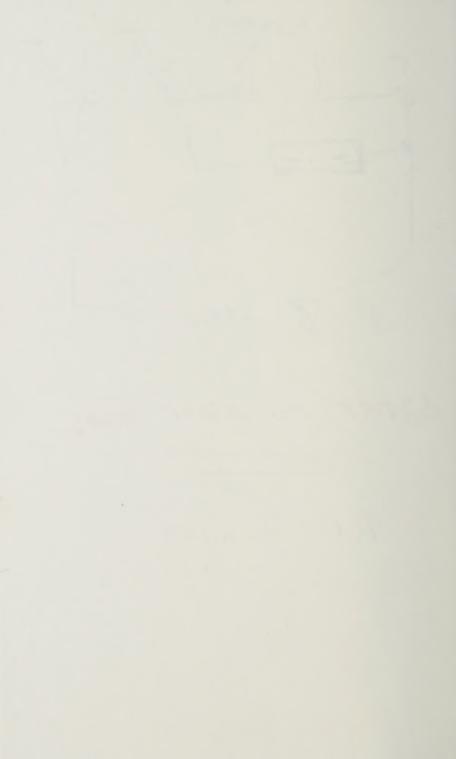
+ U.U.T 101884 TEST VIG.

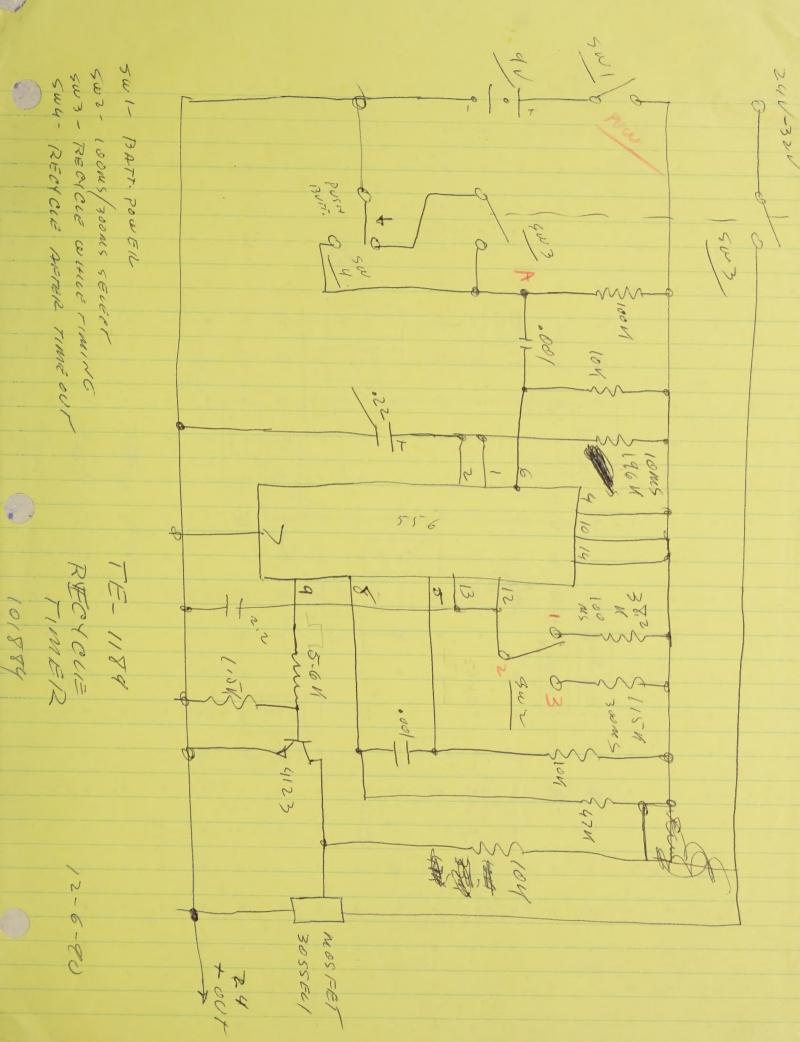


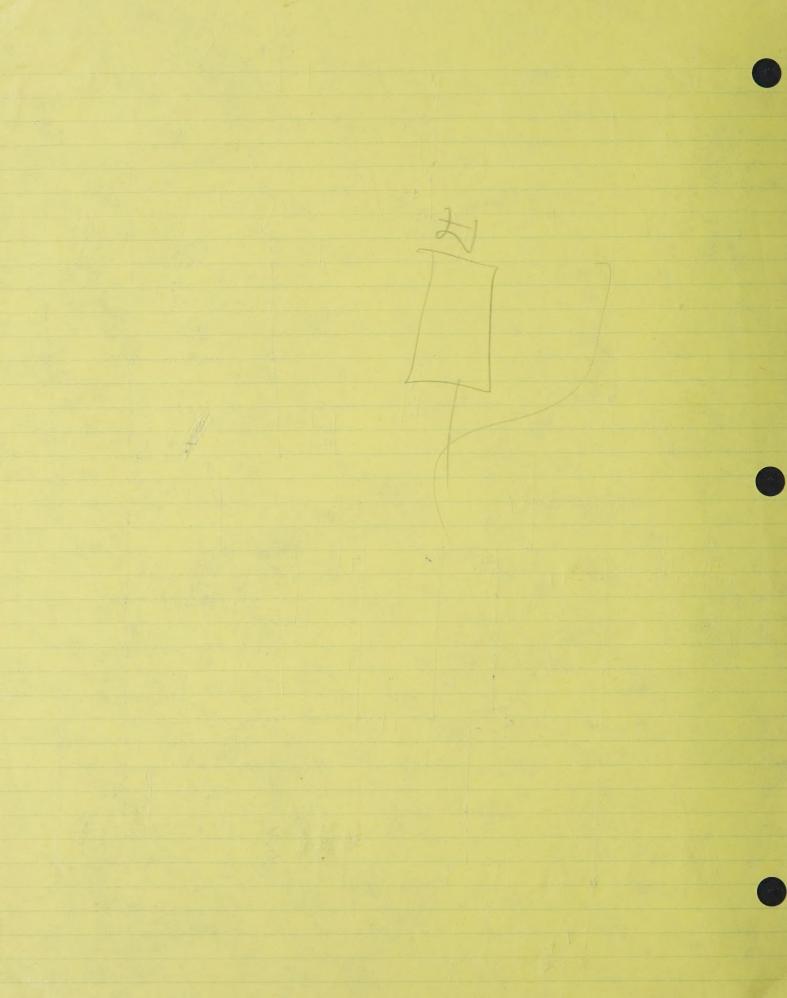


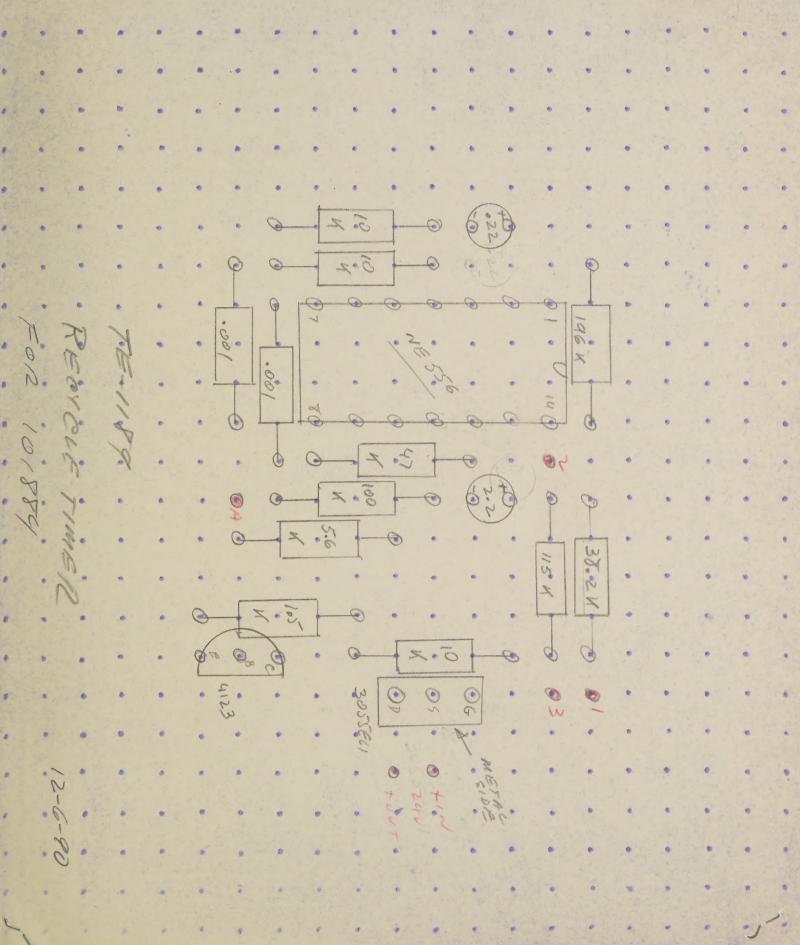
ADJUST TO ABOUT 101MS

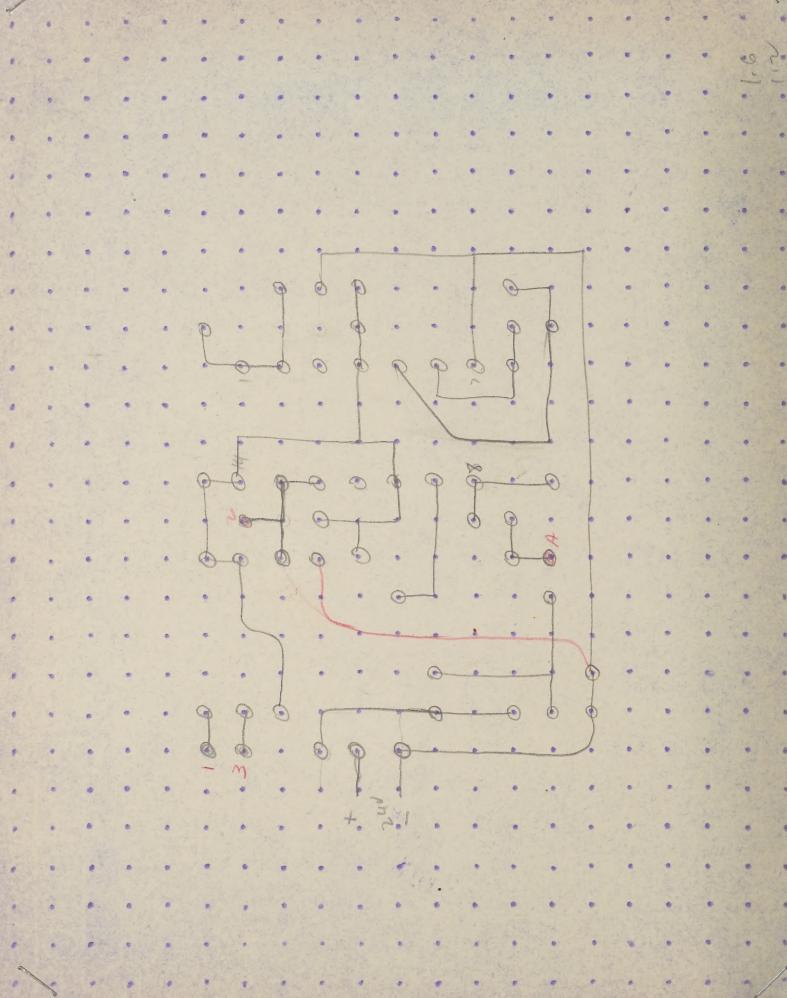
R2 = 2 4224



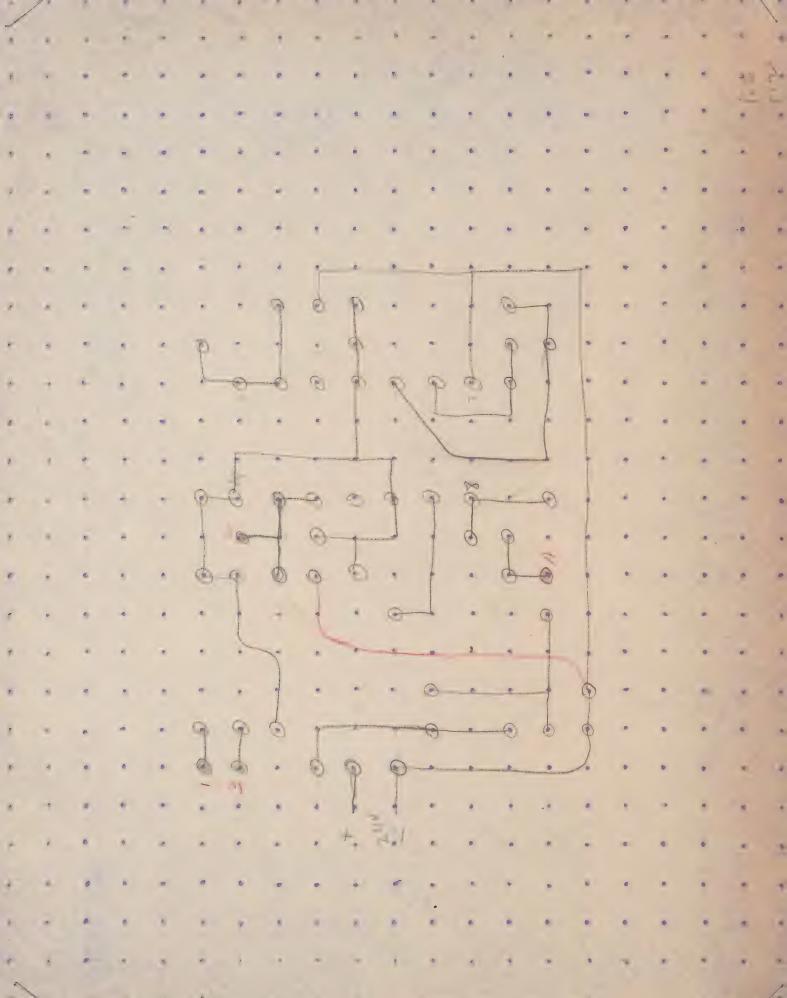


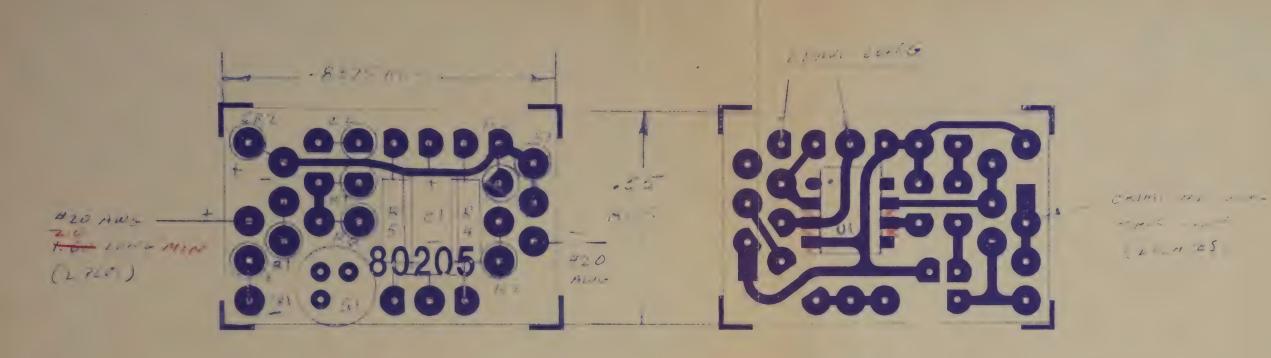












5/DF -

514- 10

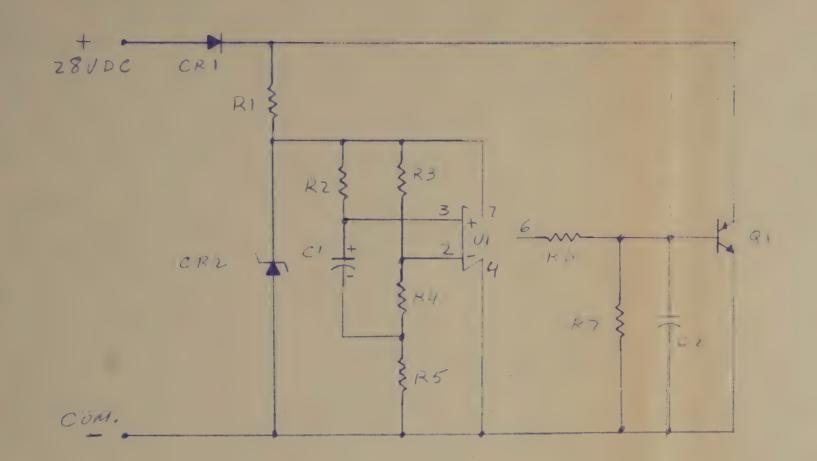
3. PARTS LIST: PLICIFTE (3) 2. SCHEMATIC: 101879 (186) 885 1. TOP DRAWING: 101878 (306) NOTES: 874

DIMENSIONS ARE IN INCHES AND AFTER PLATING	OR 2 Musica 5/3/40	Parko ELECTRONICS COMPANY INC. SANTA ANA. CALIF —				
TOLERANCES	DSGN	ASSEMPLY				
(unless otherwise specified)	PROJ					
.x ±.1	RECueso 5/4/90	TIME DELAY 12.				
.XX + 03 .XXX · 010	APPROVED	876				
ANGLES + 0 5	Carlo	CODE IDENT NO. SIZE	[101991 REV			
MACH SURF	APPROVED	133/3 6				
	do not scale drawing	SCALE 4 ! /	SHEET OF			









3. PARTS LIST: +L 10 1878 (REK)
2. ASSEMBLY! 101840 (REK) 886
1. TOV DRAWING! 101878 (REF)
WOTES: 884

DIMENSIONS ARE IN INCHES AND AFTER PLATING	CHK 4-26-90	Parko ELECTRONICS COMPANY INC., SANTA ANA, CALIF			
TOLERANCES	DSGN				
(unless otherwise specified)	PROJ	SCHEMATIC			
.X ±.1	REL Creethe 4.30-40	TIME DELAY VICT			
.XX ±.03 .XXX±.010	APPROVED 375				
ANGLES + 0.5°	ATTROVED	CODE IDENT NO. SIZE - REV			
MACH	APPROVED	13979 B 10/8/9			
SURF V	DO NOT SCALE DRAWING	SCALE SHEET / OF /			





Parko

ELECTRONICS COMPANY, INC. IRVINE CALIFORNIA



GROUP B INSPECTION RECORD Appendix II to ES 1884

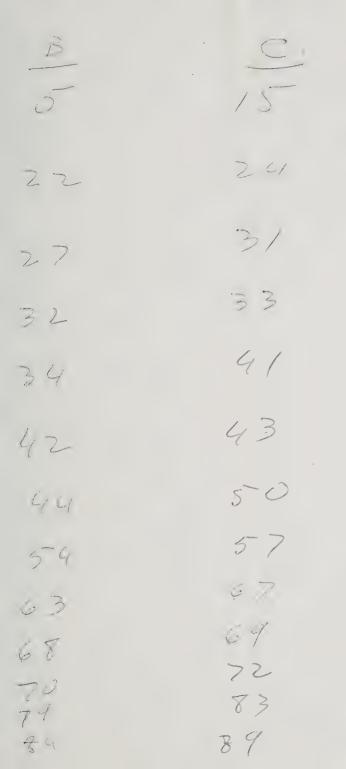
DATE MARCH 1-41 SHOP ORDER 5033 ENG. SPEC. ES 1884

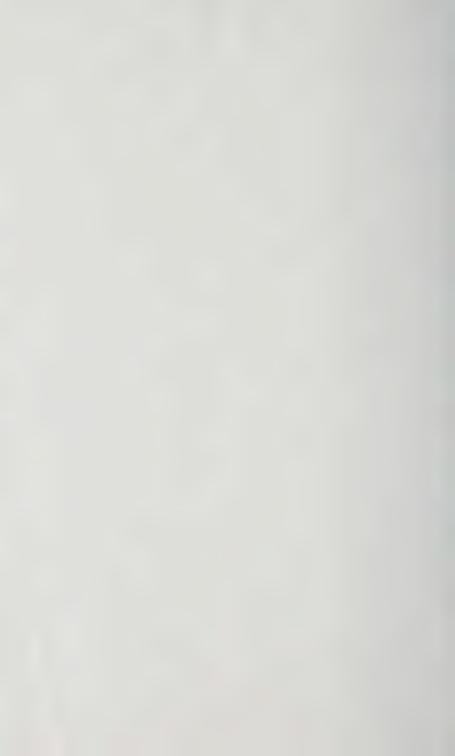
PARKO P/N 101884 CUSTOMER P/N 5493935

CUSTOMER AND P.O. NO. General Dynamics/P.O. VP138

CUSTOMER AND P.O. NO. General Dynamics/1.O. VI 130								
		PO	ST - THERMAL SHO	CK TESTS				
SERIAL NUMBER	Thermal Shock (AQL 1.0) 5 Cycles	Dielectric Strength Leads to Case 500V/60Hz Min.	Insulation Resistance Leads to Case 500 Megs at 500 VDC Min.	Reverse Polarity	24 VDC 95 Ms to 105 Ms			
A081	0.11	OU	0 111	0. V1	162151113			
A082	2.11			i	49.79115			
A083	06				Jel . Jell 111 5			
3 3 A084	- 14				11. 97mg			
A085	J. 11				160 3 15			
A086	0.4				99.98 mg			
A087	2:11				186 de 31119			
A088	011				110 38M			
A089	J.4				99.75110			
A090	J. <u>U</u>				79.572			
72	2.11				97.76.21			
83	<i>i</i> . <i>U</i>				Jan. 2. 8' 12' C			
27	2.09	77	er.	4	97711			







C-SALT SPRAY



5-108.83 5-104-167.27 15-100.26 63 major (1) 2-103-42 27-105-56 68-106-78 27-103-48 31-103-48 32-1034170 - 103,64 33-1047472-103.65 34-104.40 37-107.19 75-107.76 41-104-1677-107.79 42-106-60-79-10373 4410731 93-18690 45-10646 84 106697 50 103.46 74-107.36 54-107129 57 106,47



BEC

5 15 27 24 63

27 67 31 68 32 69

33 70 34. 72

34. 70 41 71 42 §3 43

44. 7.1

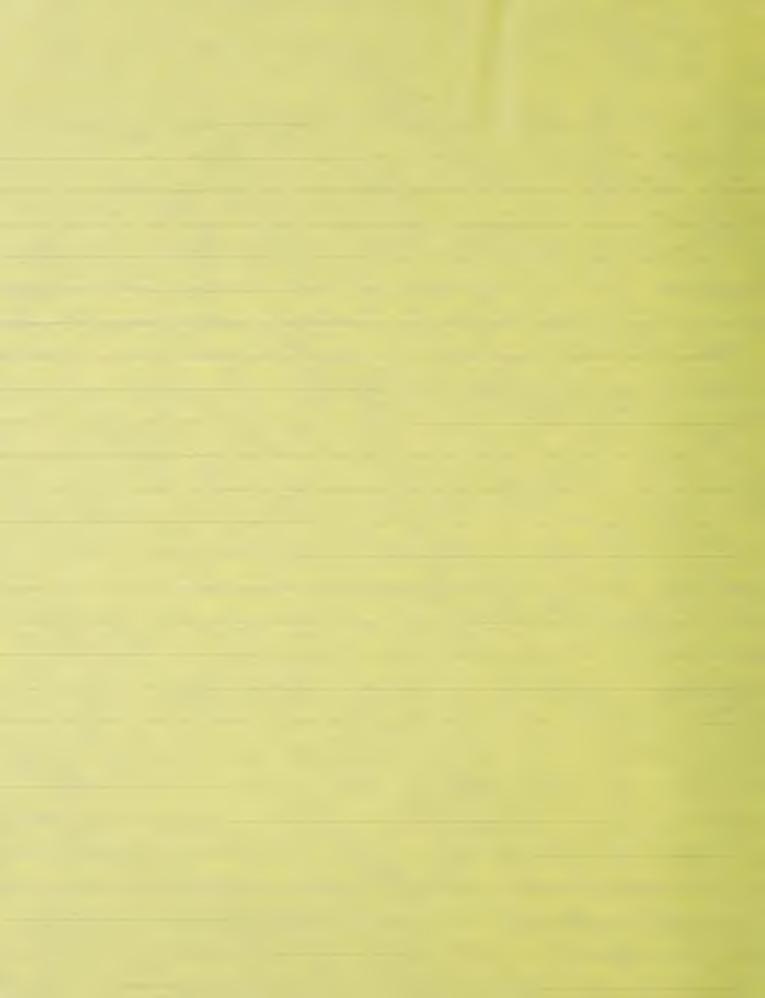
50



27 オン 791 34 C, U 74 B 5/1 54 57/



21-107.68-106.98-106.31 77-110,21-107-76-106.24 23-110.60-107.37-106.40 18-107.79-107.79-186.91 124-107.12-106.62-106.52 80-111.77-109.26-107.91 25-111.74-107.93-107.00 81-111.26-107.45-186.44 26-106.35-185.84-105.62 72-111.72-127.44-166.31 127-185.57-105.03-104.45-83-166.90-100.42-105.03 27-107.00-106-50-10600 74-106.97-166.29-166.78 29-111,20-107.39-106.40 85-111.63-107.75-106.59 30-110.68-107.65-106.84 86-11.01-107.34-106.39 35-110,78-107.74-106,76 87-109,95-107,30-106,13 36-111.28-107.91-106.40 78-111.54-107.87-106.57 137-107.19-105.72-105.28 89-107.38-106.80-106.60 38-109.17-107.57-107.53 90-10891-106.72-106.03 39-108.52-107.14-106.36 5-109.45-108.55-108.29 40 -111.07-107.62-106.28 15-109.12-108.47-108.41 61-108.67-106.93-106.46. 162-107.27-106.73-106.58 64-110.87-107.43-16642 65-110,22-108.09-107.47 66-111.05-107.56-106.55 168-106.78-106.72-106.38 71-111,39-108.17-107.06 73-111.95-108.02-106.74 74 - (08.12-106.28-105.84 75-107.86-106.32-105.92 76 -111.01 - 107.64-106.7/



21-97.60 - 97.61 33-96.85-96.86 24 96.17-96.18 25-96.33 -96.32 26 - 95.48 - 95.50 77-96.50-96.51 28 - 97.48 - 97.50 29-97.04-97.05 30 - 96.70 - 96.71 35-96.72-96.79 36-96.65-96.65 37 - 95-87 - 95-88 38-96.60-96.61 39 - 96.55 - 96.56 40- 97.49 - 47.50 61 - 98.22 - 98.23 62 - 96.74 - 96.75 64-97,20-97,21 65-97144-97145 66. - 97.99 - 98.01 68-96.17-96-18 71 - 97.08 - 97.09 73 - 97,26-97,28 74 - 9636 - 4637 75 - 96.68 - 46.70 76 - 97,21- 97.23

77 - 97.18 - 97.19 78 - 96.46 - 96.47 70 - 97.13 - 97.15 81 - 97.21 - 97.22 82 - 96.92 - 96.94 83 - 16.11 - 96.11 74 - 97.32 - 97.33 75 - 97.12 - 97.14 77 - 96.84 - 96.85 77 - 96.84 - 96.85 77 - 96.98 - 96.99 77 - 96.98 - 96.99 77 - 96.98 - 96.99 77 - 96.98 - 96.99 77 - 99.49 77 - 99.68 - 98.69



7-25-91

+75°C.

197 and Fred

22-103.82-103.70-103.68

31-103.90-103.62-103.54

32-103.45-103.28-103.23

33-104.74-104.18-103.98

34-104.48-103-93-103.75

4/-104,16-103.78-103.81

50-103.96-103.76-103.70

63-104.05-103.69-103.65.

67-104.37-104.23-124.15

69-103,43-103,34-103,33

70,-103,69-103,34-103.16.

72-103.65-103.48-103.43

79-103.73-103-61-103.55

142-106.60-106.32-106.06

143-105:29-105-13-104.77

144-107.31-106.82-106.67

145-106:46-106.02-106:51

46-111.58-108.56407.15

47-110.87-107.54-106.33

48-110,90-108,55-108,56

49-112-14-108-44-107,00

51-111.06-108.21-107.08

52-111.82-108.59-107.55

53-110.97-108.27-107.49

154-107,29-106,81-10680

55-111.23-108.10-107.03

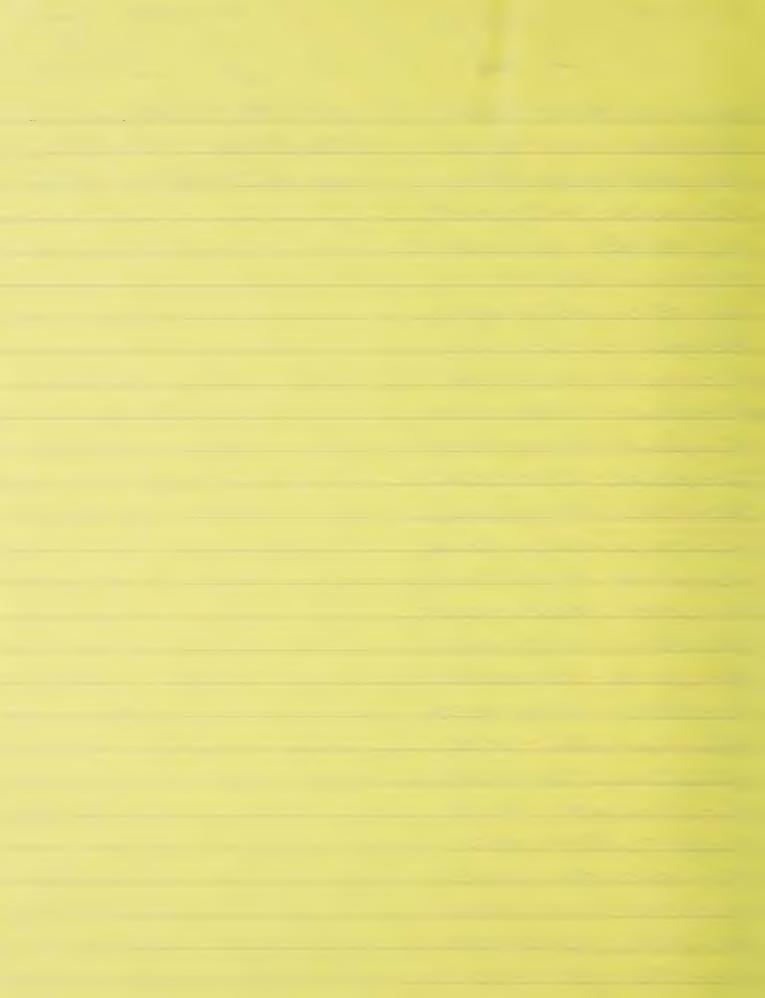
56-104.60-107.11-106.53

57-106.97.106.46-106.40

101884 IN CAN

tot and and

58-108.90-107.54-107.32 59-108.78-107.81-107.63 60-111.87-108.67-107.37



FEB- 6. 91 . .. () / 12 . / -38° C +850 C 107.83 - 167.55 98,35 MS 111.98 - 167.78 2 -99.80 1 99.32 " 114.89- 111.78 159199 99.10 " 113.62 -5 -107.81 -104.98 99.30 " 6 107.57 111.13 97.75 - 108.25 112.77 7 99,12 , 110.91 - 107.70 99,13 11 108.33 9 99,56 112.06 -109.88 10 113059-99,201 114.38 -116.46 11 101.08 112.57-167.76 12 99.33 110.49 113.18 -13 100.33 14 100,82 110.44-107.00 15 106.62 48.60 157.26 -16 110.21 113.75-100.40 (11,70 ... 108.56 17 100.15 107.40 18 97.55 109.29 -108.01 14 99003 110.33 -188.86 711.62 -44.12 20

RUN UNITS UNDER POWER.
BEFORE TIMING

10 = 103.28 107 74 10 57

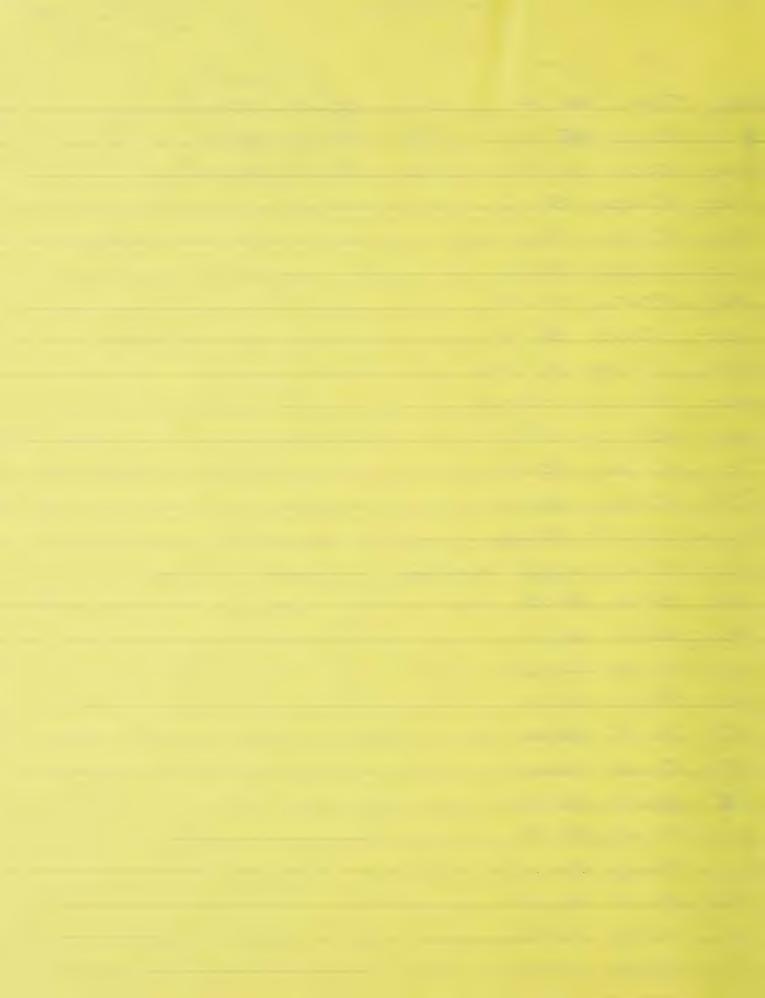
2-25-91 15' and 9732 98.32 31- 98.25-98,24 32-97.51-98.51 33 - 94.02 - 98.02 34 - 98.13 -98.13 41- 92.38 - 78.38 50 - 98.54 - 98.54 63 - 98.14 - 98.19 67 - 97,73 - 97,74 69-18.91- 48.41 70 - 98.17 - 98.18 72 - 97.32 - 97.33 79- 98.31-98.31 42 - 95.45 - 95.46 43 - 98.01 - 98.03 44 - 47.36 - 97.39 45 - 96.18 - 96.16 46-96.95-96.97 47 - 97.81 -97.82 48 - 96.95-96.96 49- 47 64. 4765 51 - 96.68 - 96 69 52 - 96 93- 96 94 5-3-97.10-97.12 54-96.70-96.71 55 - 47.27 - 47.28 56 -96.50 - 96.50

57 - 9563 - 9563

101884 FINAC

15t 2 mds 57 - 47.17 - 77.18 59 - 96.04 - 96.06 60 - 97.28 - 97.29

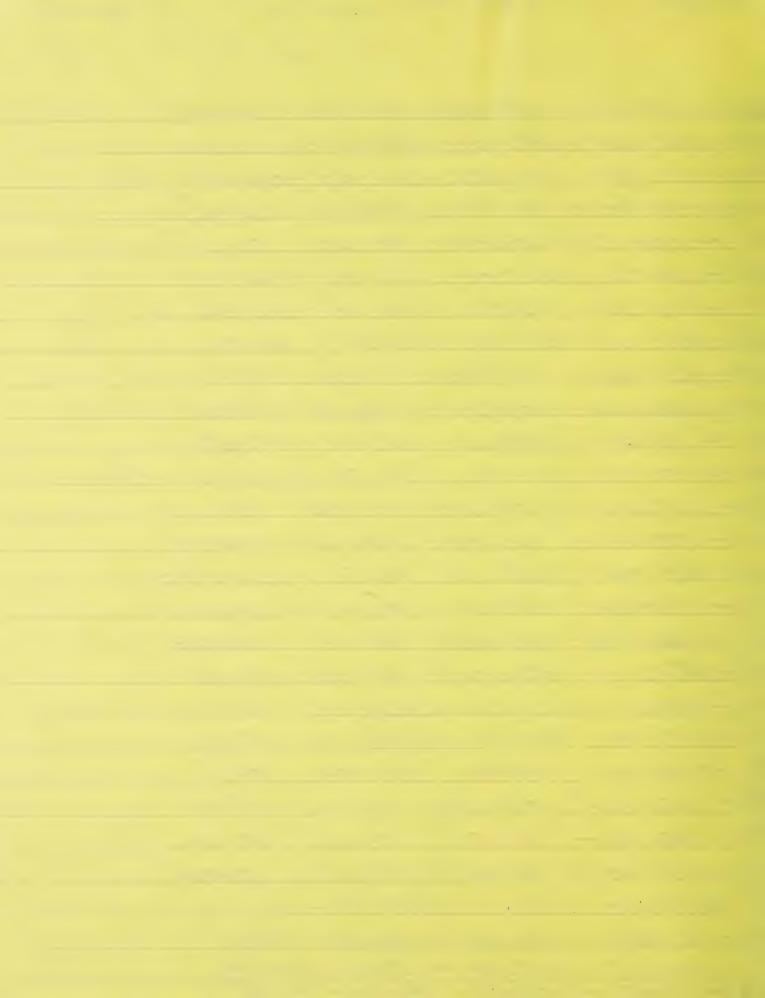
-350C



AFTER +8800 RUN 100,22 -100,22 62 105,09 - 100.09 - 160.10 63-100.13-100.12-100.12 64-100.05-100.06-100.09 65-100.19-100.18-100.18 66 -100,21 -100,18 -100,20 67-100-08 - 100.05 - 100.06 68 - 99.99 - 99.99 - 100.01 69-100.13 - 100.12 - 100.12 70-98.90-98.99-18.99 71-100,28-100,27-100.28 72 - 99.94 - 99.94 - 99.94 73-100.06-100.08-100.05 74 -100:00 - 100:01 - 100:04 75 -100.67 -100.07 -100.07 76 - 99.94 -99.94 - 79.95 77 - 100.05 -100.06 - 100.07 78 -100.00 -100.00 ~ 100.01 79-10000 100.00.00 80-100.01 - 100.01-100.01 81-99.94- 98.93-99.94 FL -100,03-100.02 - 100.03 83 -100:08-100.08-100.09 24-100111-100111-100111 P9-95-499098 85-100.08-76-99.92-99.94 - 99.94 \$7-100-ZZ-100.31 - 100.20 100.03 96 - 94.85 -78.76 - 44.86



101784 +8500 FUNDFIOS 2-20-011 OUT OFCAR 61-108.72-107.35-107.06-107.10 EV-107.69-107.69-108.03-107.82 63-119,58-117.89.117.67 (18.01 64-110.76-187.83-186.76-186.48 65-109.57-108.04-107.64-107.54 66-110.51-107.89-107.65-106.84 67 - 116.35 - 115.81 - 116.27 - 116.32 68-107.22-107.03-106.84-106.86 69-112-67-11286-113.31-113.71 70-106.44-106.21-106.07-106.04 7/-- 116.68 - 109.41-107.99-107.68 72 - 112-95 - 113.41 - 113.56 -113.73. 73-112-67-108-69-107-44-107-10 74-108.41-107.09-106.54-106.45 76-104.70 -107.12-106.86 -106.83 76-11093-108.07-107.09-1067/ 77 - 109.84 - 107.66 - 106.63 - 106.66 78-108.31-108.02-107.98-107.93 79-112-41- 112.51 - 112-67-113 18 80 -112.29 - 109.12 - 108.11 - 107.93 81 - 11/10 - 107.99 - 187 04 - 1567/ 72- 113,34- 109,51-108,14-107.65 83 - 107.43 - 107.10 - 107.05 - 107.16 84,-107.46-107.34-107.09-107.06 85-4113.09-109.52-107.78-107.17 26-111.61-127.67-186.47-157.20 77 - 110.75 - 108.70 - 107.16 - 106.84 78 - 113.35 - 109.68 - 108.02 - 107.98 79 - 107.36 - 107.21 - 107.12 - 107.02 70 - 109.22 - 107.26 - 106.70 - 106.64



2 12-01

ROOM (AFTER 18500)

```
100.16 -100.15 -100.15
21
22
      100.03 - 100.03 -100.07
      99,90 - 89,91 - 99,91
23
      99.91 - 99.90 - 99.90
201
      99.79 - 99-80 -99.78
25
      100.02 - 100.02 - 100.04
26
    - 99.85 - 99.84 - 99.84
27
28
     100.15-100.15-100.15
29
     100.06 - 180.03 - 99.97
     99,92- 99,92 -99,92
30
3/
     180.14 - 180.10 - 180.13
32
     (00.0/ ~100.00 ~100.00
    180,22 - - 100.09 - 100.09
33
     100.06 - 180.15 - 100.03
34
35
     180.17 - 100.08 - 100.09
36
     100.13- 99.90 - 89.89-99.86
37
   -99.86 - 99.86 - 99.84
38
     99.95 - 99.95 - 99.95
39
   - (00.0) -100.05 -100.06
   -100.11 - 100.86 - 100.07
40
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+85°C
  THESE UNITS ITAD THE ODICANAL CAP. CI (P.O.-15548 (MERCO))
 REPUBLISH BY A WERET P.C. 15352. AND CHIEF
               103.98-104.09-103.99
22 - 104.12 -
               103.91 - 103.77 - 103.70
31 - 104118 -
               103,58-103,56-103,56
32 - 103,71-
33 - 104.99 -
               104,52-104,21-104,08
34-164.77-
               104,22-103,47-103.88
41 - 104,27 -
               103.83-103.84-103.69
50 - (0417-
               104.00 103.93 103.41
63-104,25-
               104.06 - 103, 83 - 103, 76
     104.72 -
               104.64-104.52-104.51
67 -
                103.66-103.65-103.62
     103.75-
69-
70 -
                103.45-103.39-103.36
     103.40 -
               103.57 - 103.56 - 103.56
72
     103.67-
                184.22 - 103.86 -103.99
79- 154.00
           ROOM - AFTER 850 TEST
               99.95 - 99.94
21-100.01-
               99.99 - 99.99
     100.00 -
3/-
               100.03 - 100.03
     100.04 -
               100.07 - 100.08
     100.08 -
33 —
               100.15 - 100.15
34 -
     100.15 -
               100.10 - 100.08
      100.09-
41-
               100.05- 100.05
50
      100.06 -
                99.96 -
63 \
      99.96-
                         99.95
               99.91 -
67 _ 99.91
                          99.90
              - 99.89 -
                          79.72
69 -
     99.89
               100.01 -
                          99.96
70 -
      99.97
                 99.91-
                          99.90
22 -
      99.91
                          99.96
                  99.97 -
      99.97 -
79 -
```

2-21-91



c#8811

60-112.72 -

+8500 FUNERONAC (OUT OFF COMESE)

151 - 2 md ~ 3 role - (med X41 -1418.38 - 148.23 -118.77 118.53 42 - 106.86 - 106.72 -106.76 -106.68 43 - 105-75 - 105.26 - 105.57 - 105.62 44 -- 107.66 - 107.45 - 107.30 - 107.56 45--106.67 -106.28- 106.29 - 106.31 46 - 111,79 - 108.89-- 107.96 - 107.28 47 - 110.69-107.71 - 106-83 - 106.34 - 188.01 - 107.40 - 107.66 48 - 111.22-49- +113037-- (00/00 = 107.77 - 100.007 1/0 - 1/2:12 -110.47 - 110.41 - 110.22 0. 51-111.45-109.07 -107.54 - 10>.91 52-112.19-109.38-109.25-108.>> 53-110.90-108.90-108.17-108.85 54- 107.70 -107.75 -107.74 -107.27 55-112.30 -189.06 -107.90 -108.18 56-109.04-107.47 - 107.21 - 107.42 107.19-106.89-106.82 57-107.35 108.14 - 108.04 - 108.54 58-109.26 --108.04 - (08.45 59-108.84-

109.51 - 108.77 - 108.25



39

40

TAME THIZER ?IM. C.S. OUT " CI

155 and 3rd

- 109.86 - 107.80 107.18 -107.06 21 -- 113.77 - 113.54 -113.50 . 113.08 122 -- 111.45- 108.20 -107.10 -186.65-106.54 23 -- 107.84 - - 107.42 - 107.43 - 107.43 -24 -- 113.42 - 189.54 -108.25 -107.68 -107.67 25 -- 107.41 - 106.66 -106.52 -186.54 26 -0106.03 - 105.59 - 10563 -105.60 27 28 -2109,80 -107.11 -106.65 - 186.66 -- 112.21 -108.15 - 106.99 -107.02 29 -114.98 -109.50 -187.96 -107.34-107.47 30 ---114.77 - 114.50 - 114.72 - 114.78 W W3/ V/32 -= 114.93 -114.68 -114.85 - 115.13 -415.02-115.17 1 - 1/4:10 - 1/3:9/ - 1/3:92 - 1/4:16 114:45 1/3:9/ - 1/3-94 - 1/3:92 -- 1/3:64 - 109:75 - 108:42 - 10 \$33 34 35 -- 112.06 - 108.56 - 107.86 - 107.86 -- 112.87 - 108.50 - 107.12 - 106.67 36 108.19 - 106.19 - 105-69 -105-61 37 -- 110.30 - 108.55 - 108.40 - 108.30 38

109,16 - 107.20 - (07.07 - 107.00

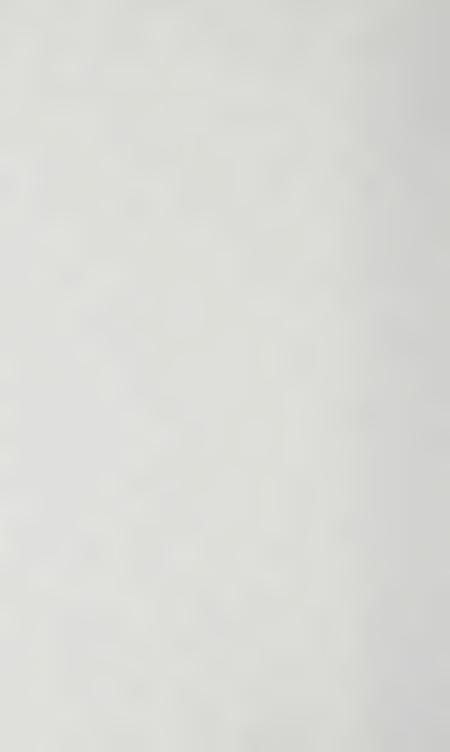
112-52 - 108-65 - 107.44 -10716



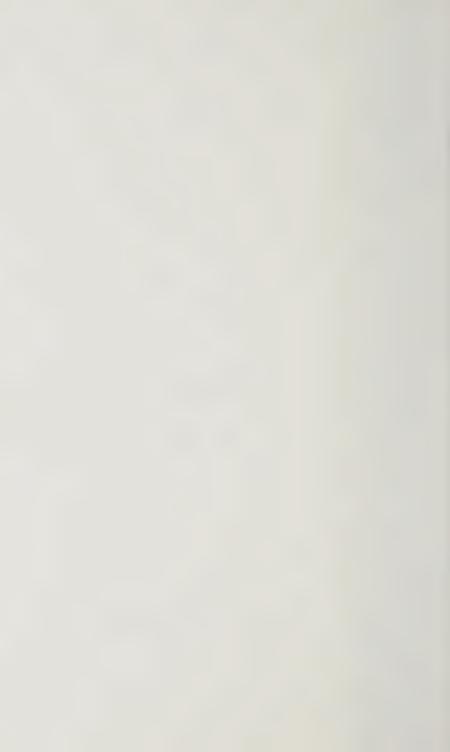
AT ROOM
2-19-91
AFTEIZ 85°C RON
OF CAN

-100.11 -100.10 -100.09 21/ 42 78.78 99.76 99.77 100.16 - 100.16 43 -100.18 -461 -100.07 -100.05 100.05 -99.85 45 - 99.84 -99.85-99.81- 99.80 46 99,80-- 29.96 - 99.92 - 99.93 47 99.85 - 99.85 48 - 99.83 -99.82 -99.72 9981 -49 100111 -50 100,00 -100,00 51 99.92 99.91 98.92 99.89 99,88 -99.89-52 - 99,85 -99.84 -99.85 53 54 - 100,241 -100.27 -100.24 99.93 -99.93 55 - 99.93-56 -100-10 100,11-100011 57 -100:16-100,17 -100.17 58 -100. IJ -180,76-100,26 59 -100.09-100.09 100110 99.99 -60 - 99.99 99.99





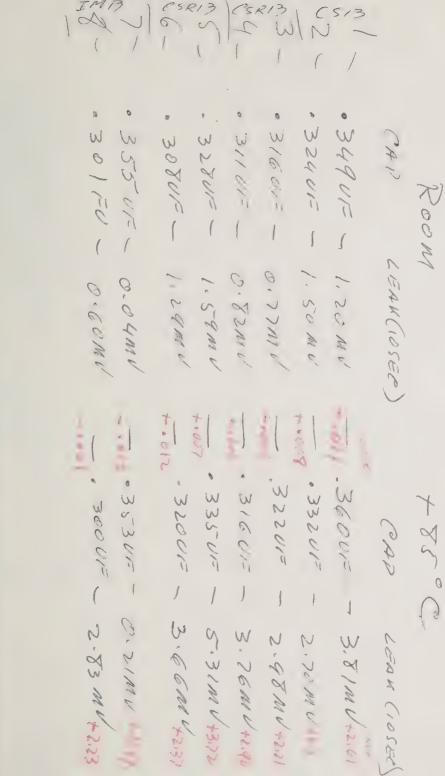
1 HITING = - 8 x10 All le le citaling ,006 pm = 1/4/men . 014 pe 5 ×10-3 $1 = \frac{E}{R} = \frac{5 \times 10^{-3}}{15 \times 10^{6}}$.01.0 ×10 -9 . 0 1 pe-100TC = 1050C 1 3 Sec



Room (00.08 100.16 WITH ESRI3 +75 A 113.23 -109.31 B 109.03 - 10736 1 104.00 97.53 - 47 53 - 87.8"

3 - 46-62 - 48 -2 -48 -2







15206 105E

1- .341 / - 120 MV

2- .324" - 1150 (1

15352

3 - 03/6. - 0.27 4-1311 - 0.72

15 10 3

5 - . 328 UF -1.59 mV 6-30811-

1,29

TMB

7 - 030/UF -0.04

7 - 35511 -0.601



~ (N.352 · · 1/33-2



WITH DIODE

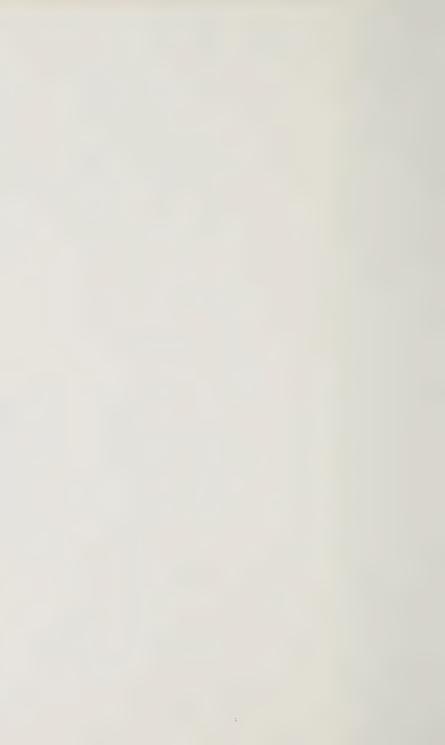
KIEF- 98.85

BUIZING TIMING

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4.4.6 82.44 = 100000 3 31 1 300M2



300 ms = 88,83 m 208 (00 ALS - 86,57145-91.56 dd. 21 -1 :: DOINING FIMING (01.3 96.17 36.33 AFICER TRANSCOI (DC:C) T NS, -1. 92.0825



85.28 -100ms 16:56 -300MS 14.08 DEL 1210 16:10 NO DIONE Down 1216 18:50 -1=25 3,00 ALEVER LINES 100001 5 30000

(101



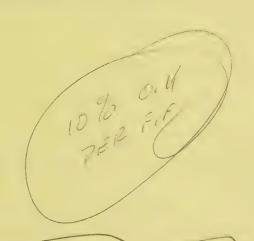
MAY-21-90 TO BE USED FOR 101884 EPECS.

101878- 100 MS TIME DELAY RECAY

TEMP/VOUTAGE TEST

 $-35^{\circ}C$ +24V -+32V 1 - 98.2MS - 98.1MS 2 - 98.2MS - 98.7MS 3 - 98.5MS - 97.7MS 105.7MS - 105.0MS 107.0MS - 106.2MS 105.9MS - 105.7MS 105.9MS - 105.7MS 106.8MS - 105.2MS

+35°C +24- +32 1 - 100,3ms - 100,5ms 2 - 101.2ms - 100.9ms 3 - 101.0ms - 100.5ms 4 - 100,2ms - 29,4ms.



RECYCLE TEST

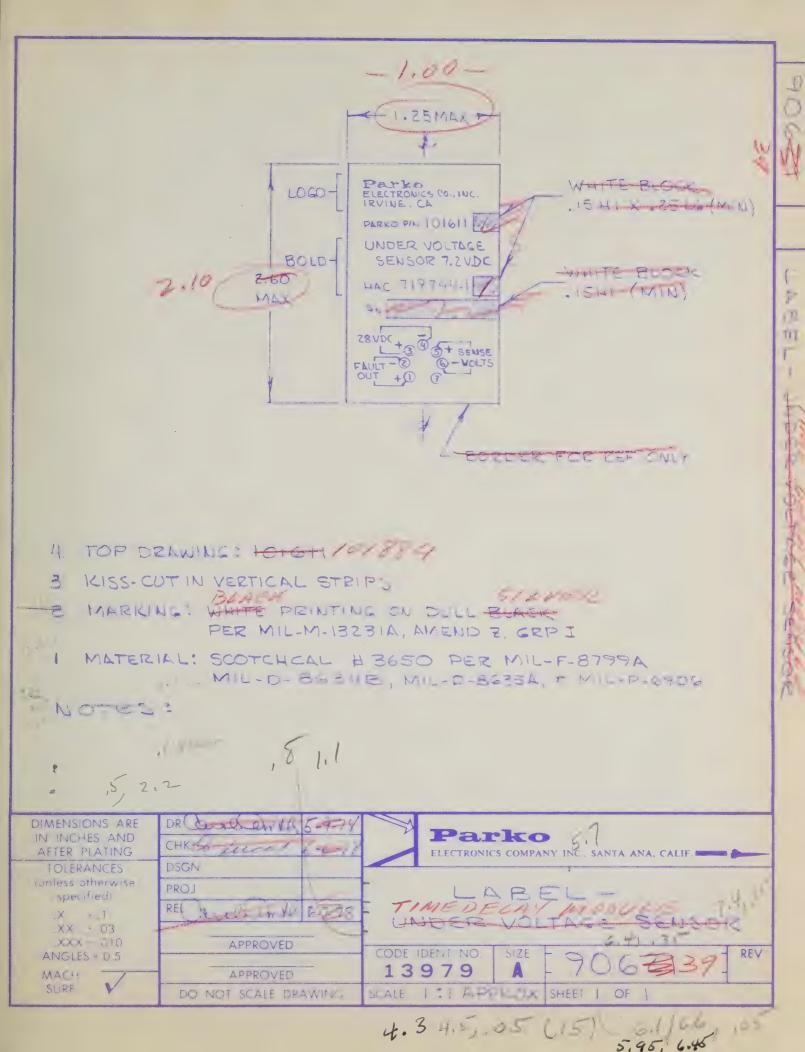
Blomt = AT 240

BASE TIME = 100.5 MS

100 MS RECYCLES 96.2 MS

300 MS 11 = 99.4 MS.







Elija The sig

FAX FAX FAX

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GENERAL DYNAMICS VALLEY SYSTEMS DIVISION

30 OCTOBER 1990

FROM:

FAX NUMBER: 714-945-4610

MAIL ZONE: 602-5

J. K. GARDNER

EXTENSION: 4672

(U)

FAX NUMBER: 714-660-8016

COMPANY:

PARKO

ATTENTION:

FRANK PARKER

IRVINE CA 92714

I CERTIEV IFINE THIS MESSAGE CONTAINS NO CLASSIFIED INFLIMMATION

REFERENCE: PART NUMBER 5493935. TIME DELAY

DEAR MR. PARKER:

I HAVE BEEN INFORMED THAT A QUALIFICATION TEST PROCEDURE (QTF AND CANTELCATION TEST REPORT, CARD, WILL BE REQUIRED FOR THIS PART THE SER, TOTAL ST. JUNA ... IND OUR DOCUMENT ONLY AND WARREN THE PROPERTY OF A LIFE BETT OF A LIFE AND STREET ASSETS. HAR DECIMENT WAS FREVER AND RODITIONAL BUST OF ATT DE AFER

IF YOU HAVE ANY QUESTIONS OR PROBLEMS REGARDING THIS DOCUMENT. PLEASE DO NOT HESITATE TO CONTACT ME AT 714-945-4620.

THANK YOU.

JILL K. GARDNER

ASST. BUYER

MATERIAL ACQUISITION DEPT.

4672



GENERAL DYNAMICS Valley Systems Division

TRANSMITTAL AND SIGNATURE SHEET

lier Inspection Procedures - rements for Preparation of

GRAM(S): General

GOV 0003

PAGES TOTAL: 17

DATE: 9 SEPTEMBER 1986

@ RELIEASED: Y SEPTEMBER 1.6

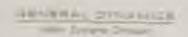
ELEASED ON:

LET STATE AND DIVISION SHOWATURES

CARDAN

- PTS PROGRAM QUALITY CONFIGURATION MANAGEMENT





GOV 0003

. ISSUE AND APPROVAL RECORD

DESCRIPTION

DETE

Destina

This document establishes the requirements for the preparation of Supplier Inspection Procedures (SIP) for use by the supplier for inspection of items to be furnished to and accepted by General Dynamics.

*PPROYES

PROGRAM PROBUC SURANCE GENERAL DYNAMICS

Valley Systems Division

KELJASED A SEPTEMASC



SUPPLIER INSPECTION PROCEDURES, REQUIREMENTS FOR PREPARATION OF



FORFWORD

eview and approve supplier test procedures and test data.

Sedures prepared by suppliers.

NOTE

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CODE IDENT

SUPPLIER INSPECTION PROCEDURES REQUIREMENTS FOR PREPARATION OF

1. SCOPE

SIP) for use by the sup-

sion of essential requirements, such as the following:

- (a) The test equipment used.
- (b) The calibration accuracy and calibration schedules apin the (SIP).
- (c) The specific procedure to be followed by the inspector.
- (d) The system for reading, recording, converting and reporting inspection data.
- (e) The program listing, if automatic test equipment is used.
- (f) The data sheets necessary to record the acceptance/ rejection history.



- 2. TERMINOLOGY AND DEFINITIONS
- 2.1 Terminology.

s prepared by a supplier of a

below:

specified in any one of four ways:

- (a) Pilot Lot Inspection (PLI). Performed on the first qualification.
- or unit as specified. The data can be variables or attributes data as defined in MIL-STD-109,

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Variables data is required unless otherwise apecified by the purchase order.

- at given time intervals. Sampling is made from the items passing QCI.
- separate procedure when specified. In other specificaare called QTP's.



test adequate to demonstrate that the:

- (a) Inherent design of the product meets the specified technical requirements.
- provisions as well as the technical requirements.
- (c) Supplier has access to adequate technical skills, procedures and equipment to manufacture the product,

Essart, preserved by the supplier, and comist of the Qualification test test findercure; the Test Supplier, and the Verlands Test Date, and it applicable the Fallure Person.

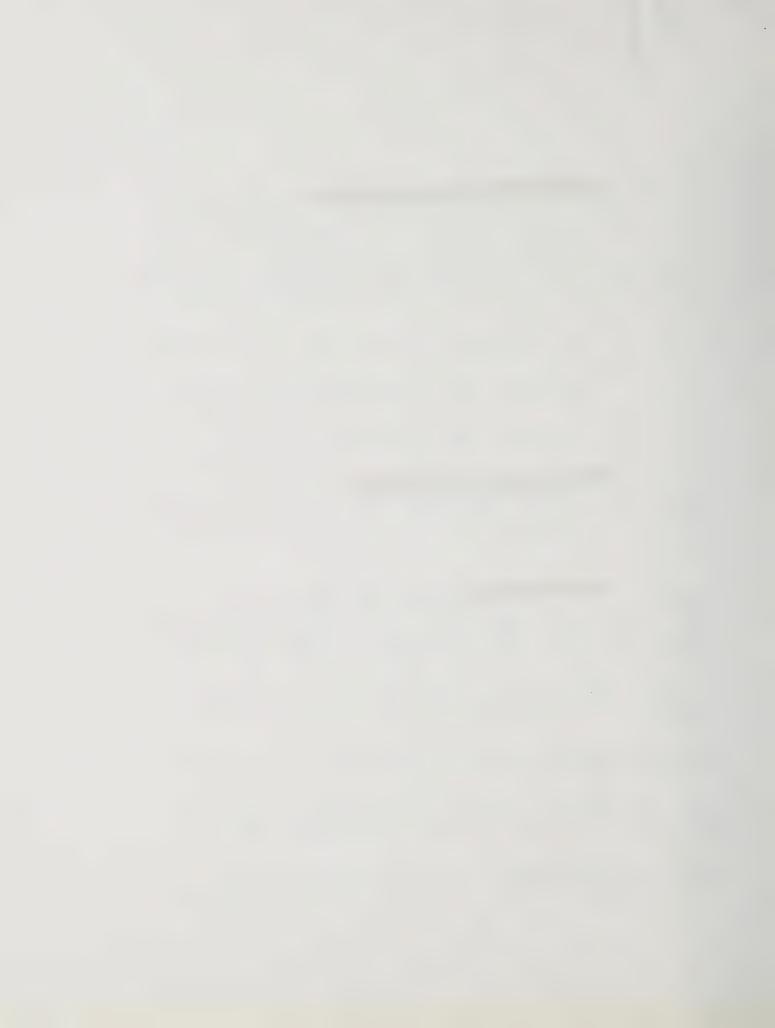
2.2 Definitions.

corded during the performance of qualification and quality conformance

specimens for a given subgroup.

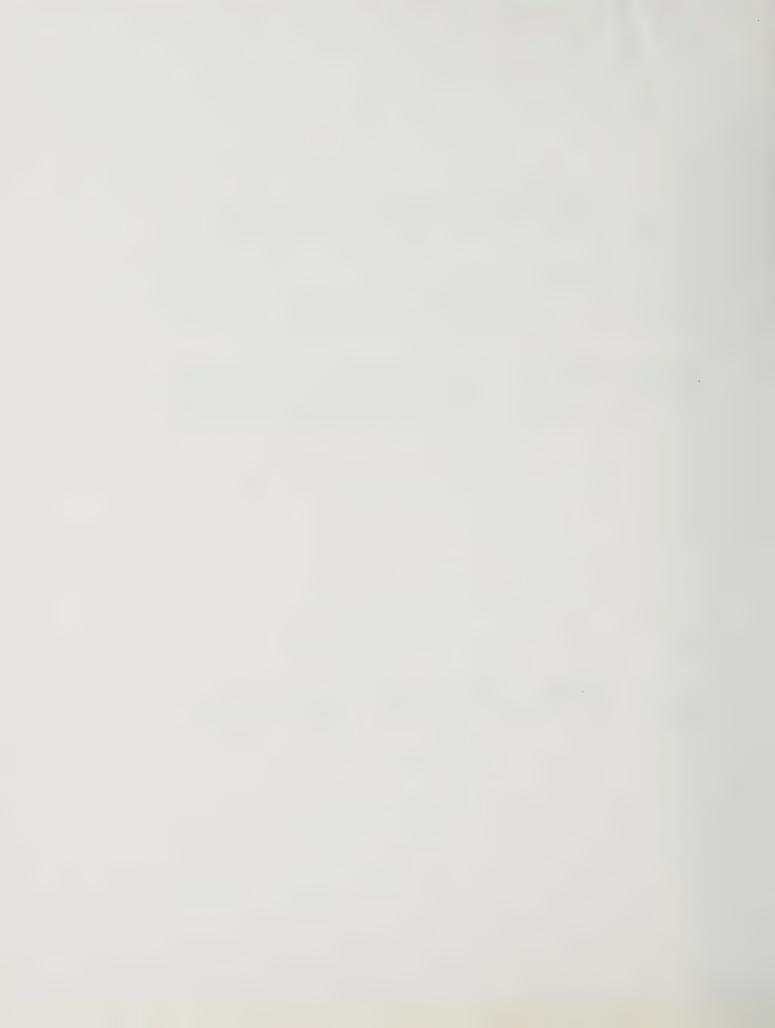
is defined as specified in MIL-STD-109.

- 2.2.4 Supplier. A supplier is anyone furnishing materials, services. etc., to a prime contractor.
- 2.2.5 Prime contractor. A prime contractor is a supplier who is directly with the Government.



- 2.2.6 Technical data package (TDP). Requirements supplied by General Dynamics to produce and procure the desired hardware. This des. but is not necessarily limited to, purchase orders, drawings
- 2.2.7 Acceptance quality level (AQL). The AQL is the maximum units that, for purposes of sampling inspection, can be considered satisfactory as a process average (see MIL-STD-105).
- 2.2.8 Key item. A Key Item is defined as an item which due to ite of the art, long lead time. limited source availability, high

2.2.9 Component. A component may be defined as the lowest unit obtainable for a nonrepairable item. This includes, but is not limited to, electronic piece parts, i.e., transistors, capacitors.



3. APPLICABLE DOCUMENTS

The following documents may be used as guidelines as needed document preparation:

FICATIONS

Data, Engineering and Technical: Reproduction Requirements for

Sampling Procedures and Tahles for

Inspection by Attributes

Quality Assurance Terms and

WITE DILLERSI-

Test Raports, Preparation of

Other publications

200-5320 224

Federal Supply Code for Manufacturers (FSCM)

Industrial Security Manual for Safeguarding Classified information



F. 14

4. PHYSICAL PREPARATION

- 4.12 Legibility. Procedures delivered must be legible and selecte. Procedures received that do not meet these criteria be returned to the supplier for correction. Reproduction ements are covered in MIL-D-5480. Procedures shall be typed on 2 x 11 inch reproducible white paper. Margins shall be maintained ap. bottom, and sides. Foldout pages should be avoided when tible; if used, however, folding pages shall not exceed 11 x 17 es. Typing shall be performed on one side of the sheet only and 1 be single spaced within any given paragraph.
- araces. Paragraphs shall be designated using a numeric
- Annendices. Appendices, if needed, may be used to provide
- tests. At the option of the supplier, they may be placed within the text, or at the end.



5. REQUIREMENTS

5.1 Responsible Unless otherwise specified in the contract or purchase order, the supplier is responsible for preparation and maintenance of all test procedures. Any changes to a test procedure must be approved by General Dynamics. No oral statement by any

otherwise affect the requirements of any part of this document, or

procurement documents. Procedure pages shall be numbered sequentially. Paragraph numbering shall employ the decimal system.

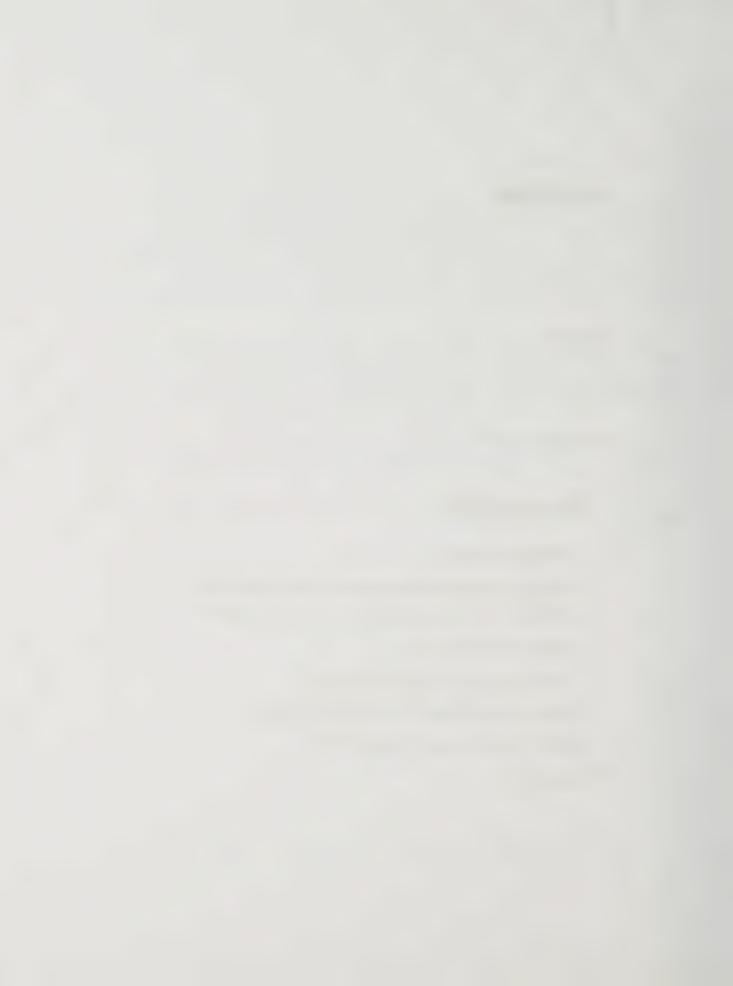
elements and be organized as indicated. The sections and subsections may be expanded as necessary at the supplier's option.

tain the following information:

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- Fig. 49 of the set 14 to 10 december 1
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- the state of the s
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An example of a Supplier Cover Sheet is shown in figure 1.



5.3.2 Issue and approvel record. The Issue and Approval record contains a record of changes made to the procedure. Each procedure and revision is listed along with a summary statement of the changes made. Any revision made by the supplier shall be subject to General Cynamics approval.

MOTE

An example of this document is shown in figure 2.

- 5.2.3 List of effective pages. The list of effective pages chall contained for security reasons, the classified pages hall be identified with the applicable security classification in
- 5.3.4 Table of contents. The procedure shall include a table of Figures and tables if used, shall be listed separately.
- 5.3.5 list of applicable documents. The list of Applicable Documents shall include all documents referenced in the procedure.
- 5.3.6 Administrative data sheet. An Administrative Data Sheet shall be included concaining the information exemplified in figure 3.
 - 5.3.7 Fext. The text shall be divided as specified below.
 - The Value of
 - (b) Test Equipment
 - (c) Initial Conditions
 - (d) Procedure (eten-hulitep)
 - It supported the present to
 - Antique Plant South



the purpose of the introduction shall explain the purpose of the procedure. It sign is also be stated here upon which specification, MIL-Q-9858 or MIL-I-45208, the supplier bases his quality system shall be in accordance with

sary, provide a diagram of the test set up to show how the test equipment is used. This description shall include:

If India or moved of endowed

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Total Control of the Control of the

3 Cir.

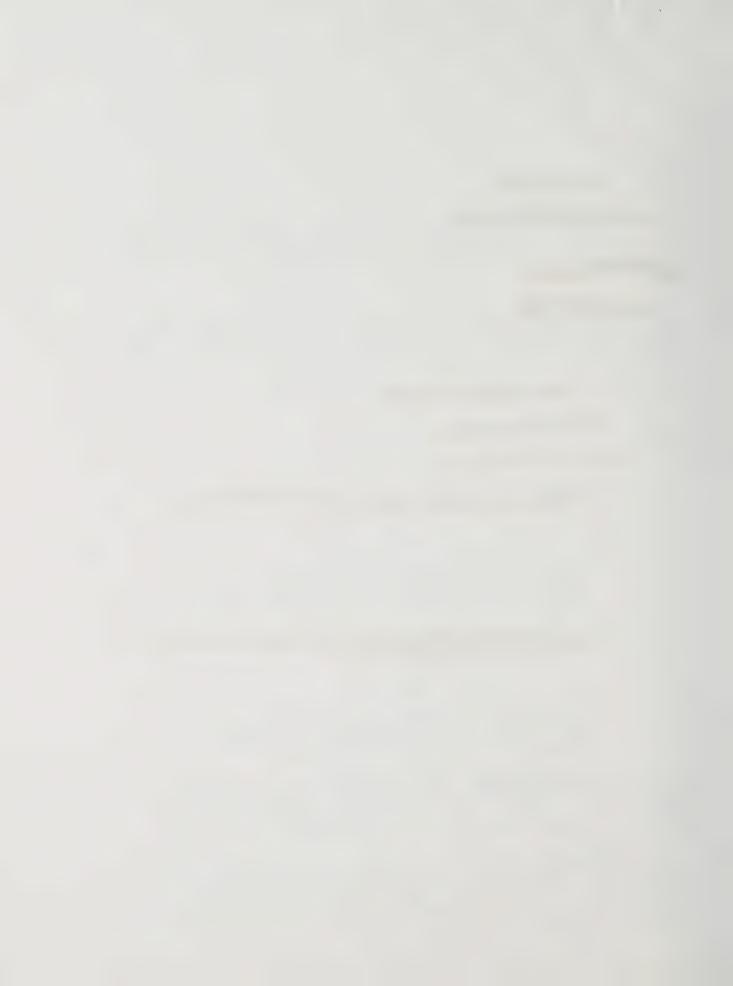
If calibration equipment is tabulated in the matric system, a decimal equivalent shall be given after each metric entry.

to application for residence, respectively derivering and

HATE

when automatic test equipment is used that supplies a test printout, an interpretation key, program, and program flow chart shall be provided.

- 6.3 Initial conditions. These are conditions that may exist at the beginning of a test, for example, humidity, temperature and air pressure. Also included, if not mentioned previously, will be any preconditioning requirements of the test equipment.
- 6.4 Procedure. The procedure shall contain the step-by-step included. These tests and inspections are those that the supplier will use to demonstrate that the product is in conformance with the grawings and specifications.



6.4.1 Sequence. The procedure shall indicate in which sequence the tests and inspections are to be confidence with gone ering practices, subject to General Dynamics approval.

The test concerns the standard plane. The test concerns standard the standard standa

methods shall include the following when applicable:

- tion of operator personnel is required.
- (a) Step-by-step Procedure: The instructions for testing-shall include applicable equipment and the general guidelines for carrying out each required test. Note:

 If used, shall be indicated by serial number.
- (c) Surveillance-Process Control: Shall indicate any systems required for surveillance. Methods for Process Control shall also be indicated when required during testing.
- (c) Acceptance Criteria; Acceptance Criteria for each test
- (e) Documentation: The procedure shall indicate when and which inspector or test operator.



upon completion of the procedure, it shall be fubmitted to the General Dynamics Procurement Quality Assurance Representative (PQAR) for review in accordance with the "Key Item Management" cneck list (figure 4) to the extent of legibility and completeness. After PQAR feview, three copies of the procedure are torwarded to the General Dynamics Material Acquisition Department for distribution to the appropriate personnel for review and approval.

AOTE

If General Dynamics requires changes or corrections, the appropriate corrective action will be directed via the Material Acquisition Group.

- 6.5 Test data record sheets. Test data record sheets shall be prepared for the recording of the test summary and (variable) data for tests performed. These sheets shall include the following as a
 - Sheets numbered sequentially
 - Decific lot and/or part identification, including Purchase Order number
 - The test group and subgroup or attribute
 - The electrical and environmental test conditions and Test method
 - The AQL anc/or sample size (number of different part numbers, lot sizes, values, mated pairs etc.).



7. PREFARATION FOR DELIVERY

7.1 Each procedure shall be prepared and delivered as specified the contract or purchase order.



8. INTENDED USE

8.1 Inis document is intended only as a guideline in that it flict, the Purchase Order, Drawing and Specification (in that iterem) will take precedence.



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GENERAL DYNAMICS DAMEING NUMBER GENERAL DYNAMICS SPECIFICATION(S)
SUPPLIER SPECIFICATION(S)

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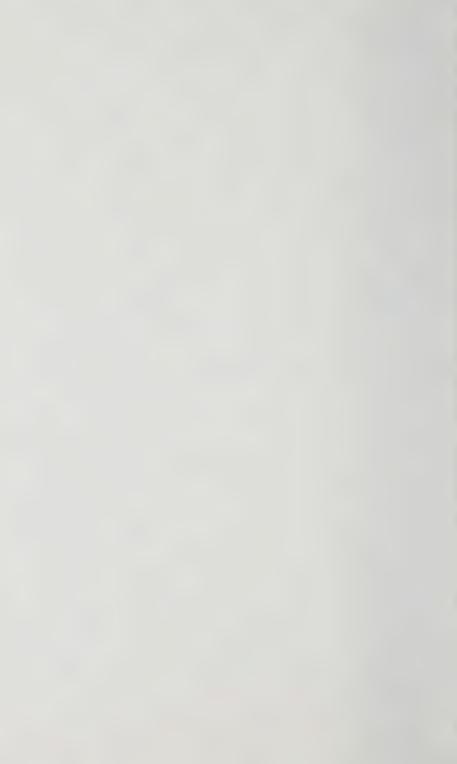
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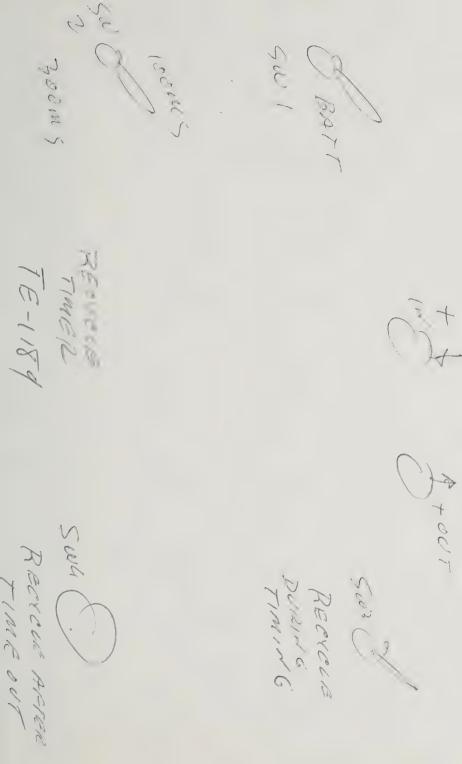
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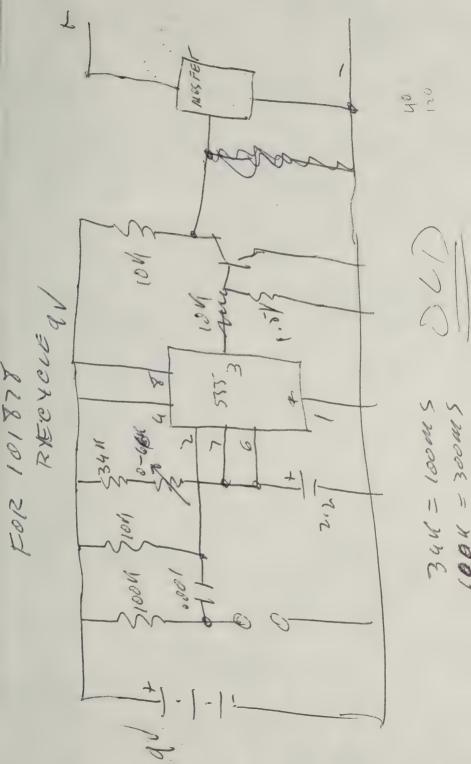


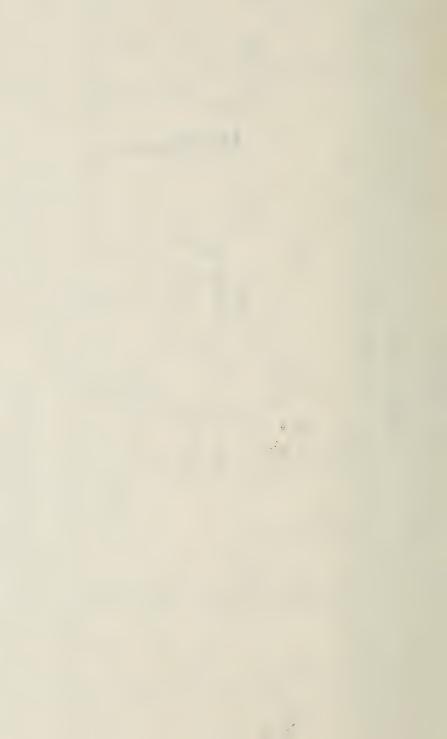
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FOR FIRANK FOR PRICING

CENEUR DYNKNICS -5493935 - (10/884)

NOTE 9\$ 13 = QUALIFICATION IF CALLED FOR ON P.O.

NOTE 10: = QUALITY CONFORMANCE INSTERNOW

GROUPS A, B AND C.

NOTE II = MARKING (2) A' REUSION

INSPECTION

10.1 GROUPS A & B ON EACH LOT

GROUP C: INITIAL INSPECTION AND THEN EVERY

12 MONTHS - (QUALIFICATION 2)

GROUP A - SUBGROUPZ 100 % TESTS

11 INSULATION RESISTANCE

21 DIECECTRIC STRENGTH

31 BENEILSE POLAIZITY

41 TIME DELAY - AT THREE VOCTAGES

51 RECYCLE TIME - THREE TIMES,

GROUP A - SUB-GROUPS 1 AND 3 = AQL = 1.0

UP TO 90 UNITS WE HAVE TO DO 13 1/ - VISUAL AND MECHANICAL = DIMO, WEIGHT AND MARKING. 2/ TIME DECAY AT EXTREME TEMP.

GROUPB = ARG = 1.0

UP TO 90 UNITS WE HAVE TO DO 13

1) 1/= THERMACSHOOK - 5CYCES = 1 HR 10M1 PER CYCLE
2/= VIBRATION 34/= ECECTRICAC MERSUREMENTS



GROUP C = ABC=1.0 @ UP TO 90 UNITS WE HAVE TO DO 13 UNITS

SUB-GROUP 1

D

()

SOLDERABILITY

SUB-GROUP Z

TERMINAL STRENGTH

HERMETIC SEAL - (2)

ELECTRICAL MEASUREMENTS

50B-GROUP 3

SHOCK VIBRATION ELECTRICAL MEASUREMENTS

SALT SPRAY - (2)



A NEE D

MIC-STD-109 QUALITY ASSURANCE TERMS & DEFINITIONS

MILL-STD- 831 PREPARATION OF TEST REPORTS

MIL - D - 5480 DATA - EXCINEERING AND TECHNICAL REPRODUCTION REQUIREMENTS.

PAIRLOSE

QUAUTY CONTROL SYSTEM BASED ON REQUIREMENTS

OF - MIL- Q = 9858, MIL- I- 45208, N HB 5300.4

A-D MIL- STD - 45662.



6.D- 5493935 - (101784) To a ELECTRICAL CHARACTERISTICS TIME DECAY = looms tiogo 10 VOLTAGE RANGE - ZU -32VDC. 21 POU ER INTERRUPTION = 10 MS. MAX. 3, 4. POLARITY PROTECTION = NO DAMAGE 5. RECYCLE TIME! 9390 = 100MS 98 % = 100 m S 100 90 = 300MS. LOAD IMPEDENCE = 300 TO 6000 OHMS. 6. LEAKAGE CURRENT, OFF STATE = 1.0 MA. MAX 71 FORWARD VOCTAGE DIZOP, ON STATE = Z.O VDC WITH BOMA. 8. 9. INSULATION BESISTANCE: 500 MECS AT 5000DC DIELECTRIC STRENGIH; = 500 CRMS. 10. WELGUTE 108 MAX (0 TOTTO CHIP) 12. TEMP: -35°C TO +85°C, -20 TO +750 DWG FUIRONMENTAL -35°C TO +85°C THERMAC SKOPH! 30 MIN (25°=5 MIN) 30 MIN (25°=5 MIN)

VIBIRATION: 506'S

FREQ.: 10 - 2000 HZ. (20 MIN)

12 TIMES IN BACK TOS OF THREE

PERPENDIQUIAR DIRECTIONS (36 TIMES)

QUESTION: SHALL # THE POTTING BE RICID?

SHOCK: 100 615 FOR 11 MS.

SAUT SPRAY: 96 HRS

HERMETIC SEAC! GROSS LEAK - (FLUID AT 125°C) TERMINAL STRENGTH! 4 LBS. SOLDERABILITY!

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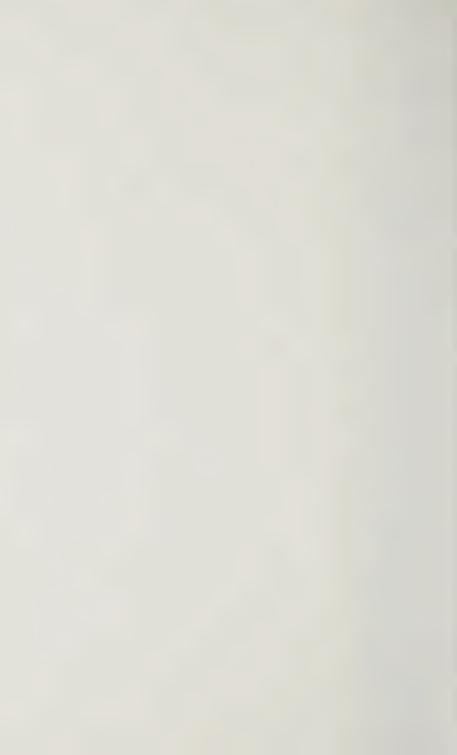
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CAU LENE WHITE LOCK MONDAY

GROUP CO ARE UNITS TO BE SHIPPED AFTER SALT SPRAY(2) (96425) HOW MANY

SUER

V125. 4



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DATE ELECTRONICS CO INC

Date 4-26-90 Parko P/N (8/878 Qty. 5/0

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		RB. ZIN	RES 1011	RES-68.1K	2 TIMING AESISTER	RIES. 334	CAP01/501	CAP33/35-V	OF-AMP	SCR	DIODIE-SCHEU 121	DIODE	P.C. BOARD	LABEL	HEADER	CAN .970 X.680	Description
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